CLAIMS

1. A composition comprising as a first component an enzyme having galactose oxidase activity and as a second component an oxidizable substrate for the enzyme having galactose oxidase activity and/or an enzyme which is capable of converting a compound into a substrate for the enzyme having galactose oxidase activity.

Calactosofs
Oxidase
Galactosof
lactose

2. A composition a

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2. A composition according to claim 1 wherein the second component oxidizable substrate is at least dimeric with respect to galactose.

- 3. A composition according to claim 1 or 2 wherein the enzyme having galactose activity is derived from an organism which is selected from the group consisting of a plant species, a fungal species and a bacterial species.
- 15 4. A composition according to claim 1 wherein the enzyme having galactose activity is galactose oxidase.
 - 5. A composition according to claim 1 wherein the compound which can be converted into a substrate for the enzyme having galactose oxidase activity is a galactose containing com-

20 pound.

- 6. A composition according to claim 1 wherein the compound which can be converted into a substrate for the enzyme having galactose oxidase activity is a compound naturally present in cereal flour or a component hereof.
- 7. A composition according to claim 6 wherein the compound naturally present in cereal flour is a pentosan or a xylan.
 - 8. A composition according to claim 1 which comprises a compound which is an oxidizable substrate for the enzyme having galactose oxidase activity.

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9. A composition according to claim 8 wherein said oxidizable substrate compound is Dcomponent of a compound naturally present in cereal flour

- 10. A composition according to claim 9 wherein the oxidizable 5 substrate compound is selected from the group consisting of a galactan, a galactose oligomer or dimer, or galactose.
 - 11. A composition according to claim 10 wherein the oxidizable substrate compound is lactose.
- 12. A composition according to claim 1 wherein the second 10 component is an enzyme selected from the group consisting of a hemicellulase, a pentosahase, a xylanase, an-arabinofurano sidase, a mannanase, a galactanase and a β -galactosidase.

13. A composition according to claim 1 which comprises a further enzyme component selected from the group consisting of a cellulase, a starsh degrading enzyme, a lipase and a protease.

14) A composition according to any of claims 1-13 further comprising a non-enzymic dough additive compound.

15. A composition according to claim 1 wherein the amount of enzyme having galactose oxidase activity is in the range of 1 to 10,000 units pr g.

-Game as A method of preparing a flour dough comprising adding to the dough an amount of the composttion of any of claims 1-15 which is sufficient to obtain an almount of an enzyme having galactose oxidase activity in the dough which is in the range

of 1 to 10,000 units per kg of flour.

17. A method according to claim 16 wherein the enzyme having galactose oxidase activity is galactose oxidase.

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18. A method according to claim 16 or 17 wherein the flour dough is a noodle dough.

19. A method according to claim 16 or 17 wherein the dough is an alimentary paste dough.

X

20. A method of preparing a bakery product, comprising baking the flour dough obtained by the method of claim 16.

X

21. Use of the composition of claim 1 as a dough and/or bread improving agent.

22. Use according to claim 21 wherein the composition com-

prises a further enzyme component selected from the group consisting of a cellulase, a starch degrading enzyme, a lipase and a protease.

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23. Use according to claim 21 or 22 wherein the composition/

15 pound.

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24. Use according to claim 21 or 22 wherein the enzyme having galactose oxidase activity is added to the dough ingredients, dough additives or the dough in the form of a preparation substantially not containing other enzyme activities.

20 25. Use according to claim 21 wherein the enzyme having galactose oxidase activity is provided in the form of a crude enzyme preparation.

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